

What is claimed is:

1. A printing device for printing a printing content onto a bag having an opening and a closed portion opposed to said opening, comprising:

a transport mechanism operable to transport said bag; and

a printing head operable to print said printing content onto said bag that is being transported by said transport mechanism in such a manner that said closed portion goes at the head of said bag.

2. A printing device according to claim 1, further comprising:

a transport direction determination section operable to determine whether said bag is transported in such a manner that said closed portion is a leading side of said bag; and

a warning section operable to warn that said bag is unable to be transported in such a manner that said closed portion is a leading side of said bag if such is the case.

3. A printing device according to claim 2, wherein said transport direction determination section detects a mark indicating a direction in which said bag is to be transported and determines whether said bag is able to be transported in such a manner that said closed portion is a leading side of said bag, said mark being provided on said bag.

4. A printing device according to claim 1, further comprising:

a bag size determination section operable to determine a size of said bag; and

a print size adjustment section operable to adjust a size of said printing content to be such a size that said printing content is printed onto said bag, based on the size of said bag determined by said bag size determination section.

5. A printing device according to claim 4, wherein said bag size determination section detects a mark indicating the size of said bag provided on said bag and detects the size of said bag based on the determination result.

6. A printing device according to claim 1, further comprising:

a plurality of printing heads having different printing characteristics;

a material discriminator operable to discriminate a material for said bag; and

a head selector operable to one of said printing heads in accordance with the material for said bag.

7. A printing device according to claim 6, wherein said material discriminator detects a mark indicating the material for said bag provided on said bag and discriminates the material for said bag based on the detection result.

8. A printing device according to claim 2, further comprising a condition adjustment section operable to change a position of said bag with respect to the direction in which said bag is transported so as to allow said bag to be transported in such a manner that said closed portion is a leading side of said bag, in a case where said bag is unable to be transported in such a manner that said closed portion is a leading side of said bag.

9. A printing device according to claim 3, wherein the mark provided on said bag comprises a bar code and said transport direction determination section comprises a bar code reader.

10. A printing device according to claim 5, wherein the mark provided on said bag comprises a bar code and said bag size determination section comprises a bar code reader.

11. A printing device according to claim 7, wherein the mark provided on said bag comprises a bar code and said material discriminator comprises a bar code reader.

12. A printing device according to claim 2, further comprising a bag storing section operable to storing said bag,

wherein said transport direction determination section detects whether said bag is stored in a direction in which said closed portion is able to go at the head of said bag and determines whether said bag is able to be transported in such a manner that

said closed portion is a leading side of said bag based on the result of the detection.

13. A printing device for printing a printing content onto a bag having an opening and a closed portion opposed to said opening, comprising:

a printing head operable to print said printing content onto said bag; and

a mark detector operable to make said printing head print said printing content onto said bag when said mark detector detects a mark indicating that said printing content provided on said bag is printable.

14. A printing device according to claim 13, further comprising:

a printing position detector operable to detect a mark specifying a printable position at which said printing content is printable, said mark being provided on said bag; and

a head moving section operable to move said printing head to an escape position at a position different from said printable position.

15. A printing device for printing a printing content onto a printing medium, comprising:

a thickness detector operable to detect a thickness of said printing medium;

a printing head operable to print said printing content onto

said printing medium; and

a head moving section operable to move said printing head in accordance with the thickness of said printing medium detected by said thickness detector.

16. A printing device according to claim 15, wherein said head moving section moves said printing head to an escape position in a case where the thickness of said printing medium is thicker than a predetermined thickness.

17. A printing device according to claim 15, further comprising:

a transport roller section operable to transport said printing medium while putting said printing medium between a first roller and a second roller opposed to said first roller; and

a roller-interval adjuster operable to adjust an interval between said first roller and said second roller in accordance with the thickness of said printing medium.

18. A printing device according to claim 1, further comprising a communication section operable to input said printing content via a network.

19. A printing device according to claim 13, further comprising a communication section operable to input said printing content via a network.

20. A printing device according to claim 15, further comprising a communication section operable to input said printing content via a network.

21. A bag onto which a printing content is printed by a printing device, the bag comprising a first mark for said printing device that indicates said printing content is printable.

22. A bag according to claim 17, further comprising a second mark indicating a material for said bag.

23. A bag according to claim 21, wherein said first mark comprises a bar code.

24. A bag according to claim 22, wherein said second mark comprises a bar code.

25. A bag onto which a printing content is printed by a printing device, having a printing layer in accordance with a printing technology adopted to said printing device.

26. A goods-wrapping apparatus for wrapping a particular article of a plurality of articles, comprising:

    a goods storing section operable to store said plurality of articles;

    a goods carrying in/out section operable to carry in said

articles into said goods storing section and carry out said article from said goods storing section;

a printer operable to print a printing content associated with said particular article onto a printing medium based on said particular article; and

a wrapping section operable to wrap said particular article carried out from said goods carrying in/out section with said printing medium onto which the printing content associated with said particular article has been printed.

27. A goods-wrapping apparatus according to claim 26, wherein said printer comprises:

a goods database operable to store information related to said articles;

a printing contents data base operable to store printing contents respectively associated with said articles;

a printing content generator operable to select a printing content from said printing contents database and generates the printing content associated with said particular article to be printed on said printing medium, based on said particular article and said goods database; and

a printing section operable to print the printing content associated with said particular article generated by said printing content generator onto said printing medium.

28. A goods-wrapping apparatus according to claim 26, wherein said

printing medium is a bag, and

said wrapping section includes a packing mechanism operable to pack said particular article into said bag onto which the printing content associated with said particular article has been printed.

29. A goods-wrapping apparatus according to claim 26, further comprising a communication section operable to receive/transmit information from/to an external device,

wherein said goods-wrapping apparatus is capable of receiving/transmitting at least one of said printing contents and information regarding said articles that are stored in said external device via said communication section.